FIG. 1

1v MASMTGGQQM: GRGSMAGVLP AHGTQHGIRL PLRSGLGGAP LGLRLPRETD

NILVDTGSSN

GKSGQGYYVE MTVGSPPQTL

SFVEMVDNLR

36p EEPEEPGRRG

GELGTDLVSI

38 FAVGAAPHPF LHRYYQRQLS STYRDLRKGV YVPYTQGKWE

RPDDSLEPFF GIDHSLYTGS DSGTTNLRLP NIFPVISLYL STGTVMGAVI DMEDCGYNIP OHDDFADDIS GFAVSA QTDEST PHGPNVTVRA NIAAITESDK FFINGSNWEG ILGLAYAEIA 138 DSLVKQTHVP NLFSLQLCGA GFPLNQSEVL ASVGGSMIIG 388 OIDESTILMII AYVMAAICAL FMLPLCLMVC OWRCLRCLRO LWYTPIRREW YYEVIIVRVE INGODLKMDC KEYNYDKSIV 238 KKVFEAAVKS IKAASSTEKF PDGFWLGEOL VCWQAGTTPW 288 MGEVINQSFR ITILPQQYLR PVEDVATSQD DCYKFAISQS 338 MEGFYVVFDR ARKRIGFAVS ACHVHDEFRT AAVEGPFVTL →Promemapsin 2-T1 →Promemapsin 2-T2 MASMIGGOOMGRGSMAGVL MASMIGGOOMGRGSMAGVL 438 LLK* 88

T7 Protein (SEQ ID NO: 3) Memapsin 2T1 and 2T2 Construct (SEQ ID NOS: 32-34)